CHEM SPEC CORPORATION
MATERIAL SAFETY DATA SHEET

MATERIAL NAME: **ARC Resistant RTV Sealant**

SECTION I - GENERAL INFORMATION

Manufacturer's Name: CHEM SPEC CORPORATION
524 Morse Ave
Schaumburg, IL 60193
Product Information Number: (847) 891-2133

PROPER SHIPPING NAME (49CFR 172.101): NONE
D.O.T. HAZARD NAME (49CFR 172.101): NONE - NON HAZARDOUS
D.O.T. ID NO (49CFR 172.101): NOT APPLICABLE
D.O.T. HAZARD CLASS (49CFR 172.101): NONE - NON HAZARDOUS
RCRA HAZARD CLASS (40CFR 261)(IF DISCARDED): NONE - NON HAZARDOUS
EPA PRIORITY POLLUTANTS (40CFR 122.53): NONE

HEALTH (NFPA): 1   FLAMMABILITY (NFPA): 0   REACTIVITY (NFPA): 0

CAS NO: MIXTURE
GENERIC DESCRIPTION: SILICONE SEALANT

SECTION II - HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>CAS NO</th>
<th>INGREDIENT</th>
<th>WT%</th>
<th>EXPOSURE LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>007631869</td>
<td>SILICA, AMORPHOUS</td>
<td>5</td>
<td>OSHA PEL: TWA 6 MG/M3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>ACGIH TLV: TWA 10 MG/M3 DUST</td>
</tr>
<tr>
<td>022984549</td>
<td>METHYLTRI(ETHYL-METHYL-KETOXIME)SILANE</td>
<td>2</td>
<td>SEE COMMENT 1</td>
</tr>
<tr>
<td>083817725</td>
<td>DI(ETHYL-METHYL-KETOXIME) METHOXYMETHYSILANE</td>
<td>1</td>
<td>SEE COMMENT 1 &amp; 2</td>
</tr>
<tr>
<td>001760243</td>
<td>AMINOETHYLAMINOPROPYL-TRIMETHOXYSILANE</td>
<td>1</td>
<td>SEE COMMENT 2</td>
</tr>
<tr>
<td>Trade Secret</td>
<td>Adhesion Promoter</td>
<td>0.5-1%</td>
<td>Non Toxic</td>
</tr>
</tbody>
</table>

COMMENT 1: OBSERVE AIHA-WEEL: TWA 10 PPM BASED ON METHYLETHYLKETOXIME, FORMED ON EXPOSURE TO WATER OR HUMID AIR.

COMMENT 2: OBSERVE LIMITS FOR METHYL ALCOHOL, FORMED DURING CURING ON EXPOSURE TO WATER OR HUMID AIR. OSHA PEL-SKIN AND ACGIH TLV: TWA 200 PPM, STEL 250 PPM.

SECTION III - EFFECTS OF OVEREXPOSURE

EYE: DIRECT CONTACT IRRITATES SLIGHTLY TO MODERATELY WITH REDNESS AND SWELLING.

SKIN: A SINGLE SHORT EXPOSURE (LESS THAN 24 HOURS) MAY IRRITATE. REPEATED PROLONGED CONTACT MAY IRRITATE MODERATELY. REPEATED CONTACT MAY CAUSE ALLERGIC SKIN SENSITIZATION.

INHALATION: VAPOR OVEREXPOSURE MAY CAUSE DROWSINESS, INJURE BLOOD, AND IRRITATE EYES, NOSE, AND THROAT.

ORAL: SMALL AMOUNT TRANSFERRED TO THE MOUTH BY FINGERS DURING USE, ETC., SHOULD NOT INJURE. SWALLOWING LARGE AMOUNTS MAY INJURE SLIGHTLY.

COMMENTS: KETOXIME-SILANES SHOWN IN SECTION II ARE POSSIBLE SKIN SENSITIZERS.

SECTION IV- EMERGENCY AND FIRST AID PROCEDURES

EYES: FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

SKIN: WIPE OFF AND FLUSH WITH WATER. GET MEDICAL ATTENTION IF A REACTION DEVELOPS.
INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF ILL EFFECTS PERSIST.
ORAL: GET MEDICAL ATTENTION
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**SECTION V - FIRE & EXPLOSION DATA**
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FLASH POINT: OPEN CUP None
AUTOIGNITION: ND
FLAMMABILITY LIMITS IN AIR: LOWER: ND UPPER: ND
EXTINGUISHING MEDIA: WATER FOR, CO2, DRY CHEMICAL, FOAM

SPECIAL FIRE FIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS

UNUSUAL FIRE AND EXPLOSION HAZARDS: HAZARDOUS NITROGEN OXIDES FORM

COMMENTS: ND = NOT DETERMINED

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**SECTION VI - PHYSICAL DATA**
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BOILING POINT: NA
SPECIFIC GRAVITY: 1.04
MELTING POINT: NA
VAPOR PRESSURE: NA
VAPOR DENSITY: NA
PERCENT VOLATILE BY WEIGHT: >2
EVAPORATION RATE: NA
SOLUBILITY IN WATER: LESS THAN 0.1%
ODOR, APPEARANCE, COLOR: VERY LITTLE ODOR, THICK PASTE, WHITE

COMMENT: NA = NOT APPLICABLE

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**SECTION VII - REACTIVITY DATA**
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STABILITY: STABLE

INCOMPATIBILITY (MATERIAL TO AVOID): OXIDIZING MATERIAL CAN CAUSE A REACTION.
CONDITIONS TO AVOID: EXPOSURE TO WATER, MOISTURE OR AIR UNTIL READY TO USE. PRODUCT CURES UPON EXPOSURE.

HAZARDOUS DECOMPOSITION PRODUCTS: NITROGEN OXIDES, SILICON DIOXIDE, CARBON DIOXIDE, AND TRACES OF INCOMPLETELY BURNED CARBON PRODUCTS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

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**SECTION VIII - SPILL, LEAK & DISPOSAL PROCEDURES**
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE PRODUCT AND CONTAIN FOR SALVAGE OR DISPOSAL.

PROTECTIVE EQUIPMENT:
EYES: USE PROPER PROTECTION - SAFETY GLASSES ARE A MINIMUM.
SKIN: AVOID CONTACT BY USING IMPERVIOUS CLOTHING & GLOVES. WASH AREA UPON CONTACT.
INHALATION: USE LOCAL EXHAUST TO KEEP TLV & PEL LIMITS BELOW THOSE CITED IS SECTION II.

WASTE DISPOSAL METHOD: FOLLOW ALL LOCAL, STATE AND FEDERAL REGULATIONS.
D.O.T. (49CFR 171.8)/EPA (40 CFR 117) SPILL REPORTING INFORMATION
HAZARDOUS SUBSTANCE: NONE REPORTABLE QUANTITY: NOT APPLICABLE
CONCENTRATION OF HAZARDOUS SUBSTANCE: NOT APPLICABLE
SECTION IX - ROUTINE HANDLING PRECAUTIONS

PROTECTIVE EQUIPMENT:
EYES: USE PROTECTION - SAFETY GLASSES ARE A MINIMUM

SKIN: AVOID CONTACT BY USING IMPERVIOUS CLOTHING AND GLOVES. WASH CONTAMINATED AREAS UPON CONTACT.

INHALATION: USE LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV & PEL LIMITS LISTED IN SECTION II.

VENTILATION: LOCAL EXHAUST RECOMMENDED

SUITABLE RESPIRATOR: AIR-SUPPLIED OR SELF CONTAINED

COMMENTS: DO NOT TAKE INTERNALLY

SECTION X - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE BELOW 90F/32C. KEEP CONTAINER CLOSED WHEN NOT IN USE.

OTHER PRECAUTIONS: WHEN EXPOSED TO WATER OR HUMID AIR, MATERIAL FORMS METHYL ETHYL KETOXIME. PROVIDE VENTILATION DURING USE TO CONTROL EXPOSURE WITHIN 20 PPM OR USE RESPIRATORY PROTECTION. PRODUCT EVOLVES METHANOL WHEN EXPOSED TO WATER OR HUMID AIR. PROVIDE VENTILATION DURING USE TO CONTROL METHANOL EXPOSURE WITHIN 200 PPM OR USE AIR SUPPLIED OR SELF-CONTAINED BREATHING APPARATUS.

THESE DATA ARE OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.

PREPARED BY:  JFC
DATE:  11-1-96
Updated:  1-6-2011